

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Inga Reynisdottir, Jeffrey R. Gulcher, Struan F. Grant and Gudmar Thorleifsson

Application No.: 10/820,226

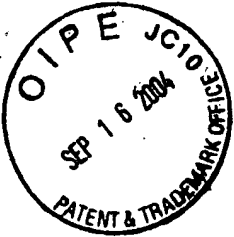
Group: 1634

Filed: April 7, 2004

Examiner: Not yet assigned

Confirmation No.: 6827

For: HUMAN TYPE II DIABETES GENE-KV CHANNEL-INTERACTING  
PROTEIN (KCHIP1) LOCATED ON CHROMOSOME 5



CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
09/14/04	Kelley A. Farris
Date	Signature
Kelley A. Farris	
Typed or printed name of person signing certificate	

REPLY TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the Notice to File Missing Parts dated August 16, 2004, the following documents and fees are being submitted for filing in the captioned application. A copy of the Notice is attached.

☒ **EXECUTED DECLARATION FOR PATENT APPLICATION**

*(Separate transmittal letter and postcard not required)*

☒ **POWER OF ATTORNEY DOCUMENT**

☐ Granted by Inventor(s)

☒ Granted by Assignee, including Statement under 37 C.F.R. 3.73(b)

*(Separate transmittal letter and postcard not required)*

☒ **PRELIMINARY AMENDMENT**

*(Separate transmittal letter and postcard not required)*

☒ **FILING FEE - with Fee Transmittal for Patent Applications in duplicate**

Fee calculations based on:

☒ Claims as originally filed

☐ The Notice to File Missing Parts states an erroneous number of claims.

☐ Claims upon entry of the Preliminary Amendment filed [herewith] [with the application]

*(Separate transmittal letter and postcard not required)*

☒ **SURCHARGE - surcharge fee of \$130.00**

*(Separate transmittal letter and postcard not required)*

☒ **SEQUENCE LISTING** - Filed concurrently and is attached

*(Separate transmittal letter and postcard required)*

☒ **REPLACEMENT DRAWINGS** - 148 sheets of replacement drawings consisting of Figs. 1A - 1R6 are enclosed *(Separate transmittal letter and postcard not required)*

☐ A Petition to Accept Color Drawings/Photographs (Fig(s). [ ] ) and a Transmittal of Replacement Drawings, with attachments, are enclosed.

*(Separate check for fees and postcard required)*

☐ **PETITION FOR EXTENSION OF TIME**

☐ Applicant hereby petitions to extend the time to respond to the Notice to File Missing Parts dated [ ] for [ ] month(s) from [ ] to [ ]  
The appropriate fee of \$[ ] is included in the enclosed check

☐ A [ ] month extension of time to respond to the Notice to File Missing Parts dated [ ] was filed on [ ] with payment of a \$[ ] fee

☐ Applicant hereby petitions for an additional [ ] month extension of time to respond to the Notice to File Missing Parts. The appropriate fee of \$[ ] is included in the enclosed check

*(Separate Petition for Extension of Time and postcard not required)*

☐ **REQUEST FOR CORRECTED FILING RECEIPT** - Filed concurrently and is attached

*(Separate transmittal letter and postcard required)*

☐ **STATEMENT CLAIMING SMALL ENTITY STATUS**

☐ Was filed on [ ]

☐ Is enclosed herewith

*(Separate transmittal letter and postcard not required)*

☐ In view of the small entity status of the captioned application, we hereby request a reimbursement of 50% of the filing fees in the amount of \$[ ] which were paid on [ ] to be deposited in Deposit Account No. 08-0380

The fees required for filing the indicated documents are enclosed in the form of a check in the total amount of \$3,368.00. Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

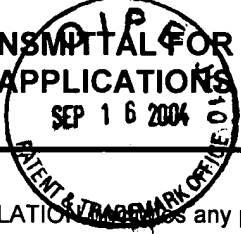
By Pamela A. Torpey  
Pamela A. Torpey  
Registration No.: 45,736  
Tel.: (978) 341-0036  
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Concord, Massachusetts 01742-9133

Date:

September 14, 2004

# HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

<b>FEE TRANSMITTAL FOR PATENT APPLICATIONS</b> 		Attorney Docket Number	2345.2049-005
		Application Number	10/820,226
		First Named Inventor	Inga Reynisdottir

CLAIM CALCULATION (includes any preliminary amendment)

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
CLAIMS	TOTAL CLAIMS <small>(37 CFR 1.16(c) or (j))</small>	52 - 20* =	32	x \$ 18 =	\$ 576
	INDEPENDENT CLAIMS <small>(37 CFR 1.16(b) or (i))</small>	25 - 3** =	22	x \$ 86 =	\$ 1892
	MULTIPLE DEPENDENT CLAIMS (if applicable) <small>(37 CFR 1.16(d))</small>			+ \$ 290 =	\$
				BASIC FEE <small>(37 CFR 1.16(a) or (h))</small>	\$ 770
	Total of above Calculations =				\$ 3238
	Reduction by 50% for filing by small entity <small>(37 CFR 1.9, 1.27, 1.28)</small> =				\$
	TOTAL =				\$ 3238
	Surcharge - Late Filing of Declaration or Filing Fees <small>(37 C.F.R. 1.16(e))</small> =				\$ 130
	Petition for Extension of Time Fee <small>(37 C.F.R. 1.17)</small> =				\$
	Assignment Recordation Fee = <small>(only when filed with application)</small>				\$
[Other]				\$	
				TOTAL =	\$ 3368

\* Reissue claims in excess of 20 and over original patent  
 \*\* Reissue independent claims over original patent

1. Small entity status:

a. ☐ A small entity statement is enclosed.

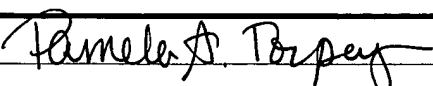
b. ☐ A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.

c. ☐ Is no longer claimed.

2. ☒ A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

3. ☒ A check is enclosed for \$3,368.00.      ☐ Please charge \$[    ] to Deposit Account No. 08-0380.

4. ☐ Other: \_\_\_\_\_

Signature		Date	September 14, 2004
Submitted by Typed or Printed Name	Pamela A. Torpey	Reg. Number	45,736



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/820,226	04/07/2004	Inga Reynisdottir	2345.2049-005

021005

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
 530 VIRGINIA ROAD  
 P.O. BOX 9133  
 CONCORD, MA 01742-9133



CONFIRMATION NO. 6927

## FORMALITIES LETTER



\*OC000000013550505\*

Date Mailed: 08/16/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

09/17/2004 MBLAND 00000001 10820226

01 FC:1001	770.00 OP
02 FC:1201	1892.00 OP
03 FC:1202	576.00 OP
04 FC:1051	130.00 OP

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
  - More than one figure is present and each figure is not labeled "Fig." with a consecutive Arabic numeral (1, 2, etc.) or an Arabic numeral and capital letter in the English alphabet (A, B, etc.)(see 37 CFR 1.84(u)(1)). See Figure(s) 1.1-1.148.
- This application clearly fails to comply with the requirements of 37 CFR. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May

15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

**For questions regarding compliance to these requirements, please contact:**

- **For Rules Interpretation, call (703) 308-4216**
- **To Purchase PatentIn Software, call (703) 306-2600**
- **For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)**

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$2468** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

**SUMMARY OF FEES DUE:**

Total additional fee(s) required for this application is **\$3368** for a Large Entity

- **\$770** Statutory basic filing fee.
- **\$130** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$2468**
  - **\$1892** for **22** independent claims over 3.
  - **\$576** for **32** total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*

*Phuong Bui*